

## IN THE CLAIMS:

*Please amend claim 18 and cancel claims 19-22 as shown in the following complete listing:*

Claims **1-17** and **19-22**: (cancelled)

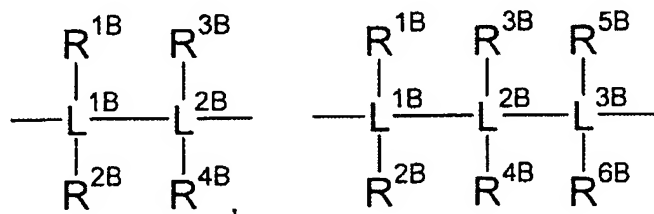
**18.** (currently amended) A monocyclopentadienyl complex of the formula



where the variables have the following meanings:

Cp is a cyclopentadienyl system,

Z is a bridge between A and Cp and is selected from the group consisting of



where

$\text{L}^{1\text{B}}\text{--L}^{3\text{B}}$  are each, independently of one another, carbon or silicon,

$\text{R}^{1\text{B}}\text{--R}^{6\text{B}}$  are each, independently of one another, hydrogen,  $\text{C}_1\text{--C}_{20}$ -alkyl,  $\text{C}_2\text{--C}_{20}$ -alkenyl,  $\text{C}_6\text{--C}_{20}$ -aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or  $\text{SiR}^{7\text{B}}_3$ , where the organic radicals  $\text{R}^{1\text{B}}\text{--R}^{6\text{B}}$  may also be substituted by halogens and two geminal or vicinal radicals  $\text{R}^{1\text{B}}\text{--R}^{6\text{B}}$  may also be joined to form a five- or six-membered ring and

$\text{R}^{7\text{B}}$  are each, independently of one another, hydrogen,  $\text{C}_1\text{--C}_{20}$ -alkyl,  $\text{C}_2\text{--C}_{20}$ -alkenyl,  $\text{C}_6\text{--C}_{20}$ -aryl or alkylaryl having from 1 to 10 carbon

atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals  $R^{7B}$  may also be joined to form a five- or six-membered ring,

~~A is an unsubstituted, substituted or fused, heteroaromatic ring system,~~

M is a metal selected from the group consisting of chromium, molybdenum and tungsten,

m is 1, 2 or 3,

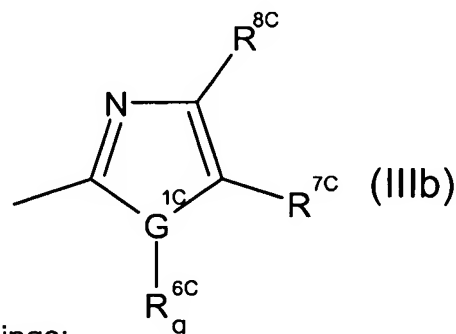
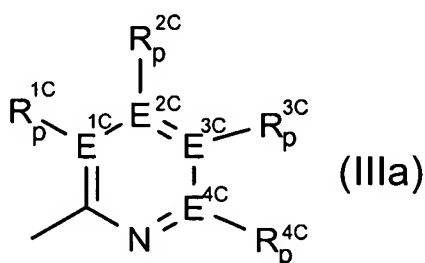
X are each, independently of one another, fluorine, chlorine, bromine, iodine, hydrogen,  $C_1$ - $C_{10}$ -alkyl,  $C_2$ - $C_{10}$ -alkenyl,  $C_6$ - $C_{20}$ -aryl, alkylaryl having 1-10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part,  $NR^1R^2$ ,  $OR^1$ ,  $SR^1$ ,  $SO_3R^1$ ,  $OC(O)R^1$ , CN, SCN,  $\beta$ -diketonate, CO,  $BF_4^-$ ,  $PF_6^-$  or a bulky noncoordinating anion,

$R^1$ - $R^2$  are each, independently of one another, hydrogen,  $C_1$ - $C_{20}$ -alkyl,  $C_2$ - $C_{20}$ -alkenyl,  $C_6$ - $C_{20}$ -alkenyl,  $C_6$ - $C_{20}$ -aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part,  $SiR^3_3$ , where the organic radicals  $R^1$ - $R^2$  may also be substituted by halogens and two radicals  $R^1$ - $R^2$  may also be joined to form a five- or six-membered ring,

$R^3$  are each, independently of one another, hydrogen,  $C_1$ - $C_{20}$ -alkyl,  $C_2$ - $C_{20}$ -alkenyl,  $C_6$ - $C_{20}$ -aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals  $R^3$  may also be joined to form a five- or six-membered ring  
[[and]]

k is 1, 2 or 3, and

A is an unsubstituted, substituted or fused, heteroaromatic ring system having the formula (IIIa) or (IIIb):



where the variables have the following meanings:

E<sup>1C</sup>-E<sup>4C</sup> are each carbon or nitrogen,

R<sup>1C</sup>-R<sup>4C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>5C</sup><sub>3</sub>, where the organic radicals R<sup>1C</sup>-R<sup>4C</sup> may also be substituted by halogens or nitrogen and further C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>5C</sup><sub>3</sub> groups and two vincinal radicals R<sup>1C</sup>-R<sup>4C</sup> or R<sup>1C</sup> and Z may also be joined to form a five- or six-membered ring and

R<sup>5C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl or alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R<sup>5C</sup> may also be joined to form a five- or six-membered ring and

p is 0 when E<sup>1C</sup>-E<sup>4C</sup> is nitrogen and 1 when E<sup>1C</sup>-E<sup>4C</sup> is carbon,

G<sup>1C</sup> is nitrogen, phosphorus, sulfur or oxygen,

R<sup>6C</sup>-R<sup>8C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>9C</sup><sub>3</sub>, where the organic radicals R<sup>6C</sup>-R<sup>8C</sup> may also be substituted by halogens or nitrogen and further C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl, alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part or SiR<sup>9C</sup><sub>3</sub> groups and two vincinal radicals R<sup>6C</sup>-R<sup>8C</sup> or R<sup>6C</sup> and Z may also be joined to form a 5- or 6-membered ring and

R<sup>9C</sup> are each, independently of one another, hydrogen, C<sub>1</sub>-C<sub>20</sub>-alkyl, C<sub>2</sub>-C<sub>20</sub>-alkenyl, C<sub>6</sub>-C<sub>20</sub>-aryl or alkylaryl having from 1 to 10 carbon atoms in the alkyl part and 6-20 carbon atoms in the aryl part and two radicals R<sup>9C</sup> may also be joined to form a five- or six-membered ring and

g is 0 when G<sup>1C</sup> is sulfur or oxygen and 1 when G<sup>1C</sup> is nitrogen or phosphorus.